

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY  
INFORMATION PROCESSING TECHNOLOGY OFFICE

Director, Dr. Ronald J. Brachman  
Deputy Director, Mr. Zachary J. Lemnios

Dr. Ronald J. Brachman serves as Director of DARPA's newly reconstituted Information Processing Technology Office (IPTO). Over a 25-year career, Dr. Brachman has been a leader in computer science, with significant contributions in artificial intelligence, information retrieval, database management, software engineering, and internet protocol-based communications. He was instrumental in the design and implementation of several well-known knowledge representation systems, and his work formed the basis for an entire subfield of research (description logics). Most recently, he was Communications Services Research Vice President at AT&T Laboratories, where he led advanced research efforts in internet protocol communications services, human-computer interaction, secure systems, and other areas of computer science, and where he created one of the premier artificial intelligence research groups in the world. Work in his laboratory led to a number of AT&T products used by several million people. Dr. Brachman received SM and PhD degrees in Applied Mathematics from Harvard University and a BSEE degree from Princeton University. He has worked at Bolt, Beranek and Newman Inc. and at the Fairchild/Schlumberger Laboratory for Artificial Intelligence Research. He is a Fellow of the Association for Computing Machinery (ACM) and of the American Association of Artificial Intelligence (AAAI). He is currently President-elect of AAAI.

Mr. Zachary J. Lemnios serves as Deputy Director of IPTO. He has been a leader in the field of advanced microelectronics technology over his 20-year career. He has held several appointments in both business and government during his career, most recently as Senior Staff at the Solid State Division of MIT Lincoln Laboratory, where he led efforts to develop novel materials and component technologies for key DoD applications. He served at DARPA for six years in the 1990s and has served on numerous advisory and study panels for academia, industry and the U.S. government. As a Program Manager and Assistant Director of the DARPA Microsystems Technology Office, Mr. Lemnios sponsored the development of advanced CMOS/SOI, A/D and SiGe technologies. As the DoD sponsor, he also engaged the microelectronics community and led the technical agenda at SEMATECH that resulted in significant contributions to the microelectronics community. Mr. Lemnios received a MSEE from Washington University in St. Louis and a BSEE from the University of Michigan. He has authored 36 papers, holds four patents in advanced GaAs device and MMIC technology and is a member and active in the IEEE.